Amin Boumenir

List of Publications by Year
in descending order

65 papers	389 citations	933447 10 h-index	839539 18 g-index
66 all docs	66 docs citations	66 times ranked	118 citing authors

#	Article	IF	Citations
1	Perron Theorem in the monotone iteration method for traveling waves in delayed reactionâ€“diffusion equations. Journal of Differential Equations, 2008, 244, 1551-1570.	2.2	35
2	Eigenvalues of periodic Sturm-Liouville problems by the Shannon-Whittaker sampling theorem. Mathematics of Computation, 1999, 68, 1057-1067.	2.1	27
3	A diffusion inventory model for deteriorating items. Applied Mathematics and Computation, 2003, 138, 21-39.	2.2	25
4	Higher Approximation of Eigenvalues by the Sampling Method. BIT Numerical Mathematics, 2000, 40, 215-225.	2.0	24
5	Sampling and Eigenvalues of Non-Self-Adjoint Sturm–Liouville Problems. SIAM Journal of Scientific Computing, 2001, 23, 219-229.	2.8	24
6	An inverse problem for the heat equation. Proceedings of the American Mathematical Society, 2010, 138, 3911-3911.	0.8	23
7	Sampling Eigenvalues in Hardy Spaces. SIAM Journal on Numerical Analysis, 2007, 45, 473-483.	2.3	20
8	The sampling method for sturm-liouville problems with the eigenvalue parameter in the boundary condition.. Numerical Functional Analysis and Optimization, 2000, 21, 67-75.	1.4	17
9	A comparison theorem for selfadjoint operators. Proceedings of the American Mathematical Society, 1991, 111, 161-175.	0.8	16
10	Recovery of the heat coefficient by two measurements. Inverse Problems and Imaging, 2011, 5, 775-791.	1.1	14
11	Inverse Problems for Multidimensional Heat Equations by Measurements at a Single Point on the Boundary. Numerical Functional Analysis and Optimization, 2009, 30, 1215-1230.	1.4	12
12	Sampling for the fourth-order Sturmâ€“Liouville differential operator. Journal of Mathematical Analysis and Applications, 2003, 278, 542-550.	1.0	11
13	A stochastic inventory model with stock dependent demand items. Journal of Applied Mathematics and Stochastic Analysis, 2001, 14, 317-328.	0.3	10
14	Representation and sampling of Hardy functions. Mathematical Methods in the Applied Sciences, 2010, 33, 485-492.	2.3	10
15	Recovery of a Heat Equation by Four Measurements at One End. Numerical Functional Analysis and Optimization, 2010, 31, 155-163.	1.4	10
16	The recovery of analytic potentials. Inverse Problems, 1999, 15, 1405-1423.	2.0	8
17	The interpolation of the Titchmarshâ€“Weyl function. Journal of Mathematical Analysis and Applications, 2007, 335, 72-78.	1.0	8
18	An inverse problem for the wave equation. Journal of Inverse and Ill-Posed Problems, 2011, 19, 573-592.	1.0	8

#	Article	IF	Citations
19	Irregular sampling and the inverse spectral problem. Journal of Fourier Analysis and Applications, 1999, 5, 373-383.	1.0	6
20	Inverse Spectral Problem for the Laguerre Differential Operator. Journal of Mathematical Analysis and Applications, 1998, 224, 218-240.	1.0	4
21	Sampling the miss-distance and transmission function. Journal of Mathematical Analysis and Applications, 2005, 310, 197-208.	1.0	4
22	Power series solutions for the KPP equation. Numerical Algorithms, 2006, 43, 177-187.	1.9	4
23	The Gelfand-Levitan Theory Revisited. Journal of Fourier Analysis and Applications, 2006, 12, 257-267.	1.0	4
24	The reconstruction of a source and a potential from boundary measurements. Journal of Mathematical Analysis and Applications, 2016, 435, 800-808.	1.0	4
25	The recovery of a parabolic equation from measurements at a single point. Evolution Equations and Control Theory, 2018, 7, 197-216.	1.3	4
26	Construction of a transformation operator. Journal of Mathematical Physics, 1995, 36, 5305-5309.	1.1	3
27	Study of the Blow-up Set by Transformation. Journal of Mathematical Analysis and Applications, 1996, 201, 697-714.	1.0	3
28	Frequency modules and nonexistence of quasi-periodic solutions of nonlinear evolution equations. Semigroup Forum, 2008, 76, 58-70.	0.6	3
29	Recovery of the heat equation from a single boundary measurement. Applicable Analysis, 2018, 97, 1667-1676.	1.3	3
30	Direct computation of the spectral function. Proceedings of the American Mathematical Society, 1995, 123, 3431-3436.	0.8	3
31	SAMPLING IN PALEY-WIENER AND HARDY SPACES. , 2007, , 175-209.		3
32	[Equivalence of Kramer and Shannon sampling Theorems]The Equivalence of Kramer and Shannon sampling Theorems Revisited. Sampling Theory in Signal and Information Processing, 2005, 4, 251-269.	0.2	3
33	Reconstruction of the coefficients of a star graph from observations of its vertices. Inverse Problems and Imaging, 2018, 12, 1293-1308.	1.1	3
34	The Determinant Method for Nonselfadjoint Singular Sturm â€" Liouville Problems. Computational Methods in Applied Mathematics, 2009, 9, 113-122.	0.8	2
35	The recovery of even polynomial potentials. Applied Mathematics and Computation, 2009, 215, 2914-2926.	2.2	2
36	Reconstruction of the Refraction Index in Stratified Ocean. SIAM Journal on Applied Mathematics, 2011, 71, 972-982.	1.8	2

#	Article	IF	Citations
37	Recovery of a parabolic equation generated by a Krein string. Journal of Mathematical Analysis and Applications, 2014, 420, 1408-1415.	1.0	2
38	Recovery of Holomorphic Functions and Taylor Coefficients by Sampling. Trends in Mathematics, 2015, , 531-543.	0.1	2
39	One point recovery of a parabolic equation. Journal of Mathematical Analysis and Applications, 2018, 463, 161-166.	1.0	2
40	The reconstruction of an equation of visco-elasticity. Nonautonomous Dynamical Systems, 2018, 5, 152-154.	0.7	2
41	Monitoring the temperature of a direct contact membrane distillation. Mathematical Methods in the Applied Sciences, 2020, 43, 1399-1408.	2.3	2
42	The Gelfand-Levitan Theory for Strings. , 2010, , 115-136.		2
43	Sampling and the Eigenvalues of a Quadratic Pencil. Sampling Theory in Signal and Information Processing, 2019, 18, 9-22.	0.2	2
44	The Approximation of Eigencurves by Sampling. Sampling Theory in Signal and Information Processing, 2013, 12, 127-137.	0.2	2
45	Reconstructing The Moore-Gibson-Thompson Equation. Nonautonomous Dynamical Systems, 2020, 7, 219-223.	0.7	2
46	Transmutation of operators with disjoint spectra. Applicable Analysis, 1995, 58, 303-311.	1.3	1
47	Extending solutions beyond blow-up. Nonlinear Analysis: Theory, Methods & Applications, 1996, 26, 755-760.	1.1	1
48	Blow up of series solutions. Journal of Applied Mathematics and Computing, 2013, 42, 469-478.	2.5	1
49	The reconstruction of a parabolic system. Mathematical Methods in the Applied Sciences, 2017, 40, 5881-5892.	2.3	1
50	A Fractional Inverse Initial Value Problem. Advances in Mechanics and Mathematics, 2019, , 387-402.	0.7	1
51	Reconstructing a fractional integroâ€differential equation. Mathematical Methods in the Applied Sciences, 2021, 44, 3159-3166.	2.3	1
52	Recovery of a quadratic analytic pencil. Inverse Problems in Science and Engineering, 2021, 29, 882-902.	1.2	1
53	Reconstructing the wave speed and the source. Mathematical Methods in the Applied Sciences, 0, , .	2.3	1
54	Blind Sampling. Sampling Theory in Signal and Information Processing, 2008, 7, 131-140.	0.2	1

#	Article	IF	Citations
55	Identification of a wave equation generated by a string. ESAIM - Control, Optimisation and Calculus of Variations, 2014, 20, 1203-1213.	1.3	0
56	The recovery of the acoustic stiffness coefficient. Mathematical Methods in the Applied Sciences, 2014, 37, 1610-1623.	2.3	0
57	Detection of multilayered media in the acoustic waveguide. Journal of Mathematical Analysis and Applications, 2014, 415, 846-872.	1.0	0
58	A solvability condition for a tokamak problem. Journal of Spectral Theory, 2017, 7, 227-233.	0.8	0
59	Series solutions of a semilinear wave equation. Mathematical Methods in the Applied Sciences, 2019, 42, 5052-5059.	2.3	0
60	Sampling eigenvalues by Hermite revisited. International Journal of Computer Mathematics, 2020, 97, 1380-1390.	1.8	0
61	Reconstructing the shape of a domain from one point measurements. Journal of Mathematical Analysis and Applications, 2020, 491, 124262.	1.0	0
62	The reconstruction of a wave equation from one side measurement. Wave Motion, 2020, 95, 102547.	2.0	0
63	Recovery of a fractional diffusion equation from a single boundary measurement. Mathematical Methods in the Applied Sciences, 2021, 44, 7897-7903.	2.3	0
64	Determining the shape of a solid of revolution. Mathematical Control and Related Fields, 2019, 9, 509-515.	1.1	0
65	Transmutation Operators and Their Applications. Trends in Mathematics, 2020, , 11-47.	0.1	0